

METHOD OF MANUFACTURING COMPOSITE STRUCTURE BONE REPLACEMENT MATERIAL

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Inventor(s): MATSUOKA NAOYUKI; IRIE HIROYUKI; INOUE AKIRA; HAKAMAZUKA KOJI; NAKAMURA TAKEAKI +

Applicant(s): OLYMPUS OPTICAL CO +

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- **international:** A61L27/00; (IPC1-7): A61L27/00

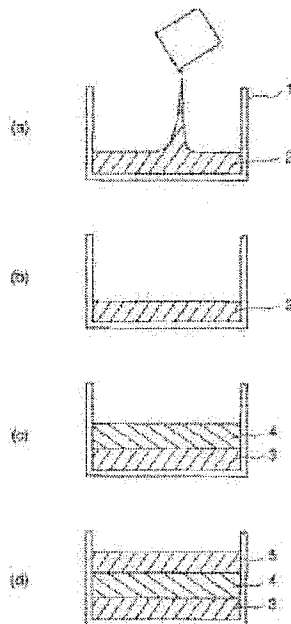
- **European:**

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Abstract of JP 2003180816 (A)

PROBLEM TO BE SOLVED: To provide a method of manufacturing a composite-structural bone replacement material capable of easily realizing the composite-structural bone replacement material of rapid absorption and replacement after being buried into a defective area. ; **SOLUTION:** The method includes a process step of preparing a first slurry containing bioabsorbable ceramic particulates coated with organic matter on their surfaces and a second slurry containing the bioabsorbable ceramic particulates coated with the organic matter on their surfaces and having a concentration lower than the concentration of the first slurry, a process step of pouring the first slurry into a prescribed mold and heating the slurry to a temperature lower than the disappearance temperature of the organic matter and higher than the temperature at which the organic matter softens to have tacky adhesiveness, a process step of pouring the second slurry into the first slurry and heating the slurry to the temperature within the above range, a process step of pouring the first slurry onto the second slurry and heating the slurries to the temperature within the above temperature range, and a process step of parting the molding from the mold and heating the molding to the temperature above the sintering temperature of ceramics. ; **COPYRIGHT:** (C)2003,JPO



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